

(19) World Intellectual Property  
Organization  
International Bureau



23 MAR 2005 528845



(43) International Publication Date  
8 April 2004 (08.04.2004)

PCT

(10) International Publication Number  
WO 2004/029252 A2

- (51) International Patent Classification<sup>7</sup>: C12N 15/55, (74) Agents: KELLER, Günter et al.; LEDERER & KELLER, Prinzregentenstrasse 16, 80538 München (DE).  
9/16, C12P 17/12, C12N 1/21
- (21) International Application Number: PCT/EP2003/010575
- (22) International Filing Date: 23 September 2003 (23.09.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 02021622.2 27 September 2002 (27.09.2002) EP
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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(54) Title: A GENE ENCODING VITAMIN B<sub>6</sub> PHOSPHATE PHOSPHATASE AND USE THEREOF

(57) Abstract: Disclosed is an isolated DNA encoding vitamin B<sub>6</sub> phosphate phosphatase selected from the group consisting of: (a) a DNA sequence represented in SEQ ID NO:9; (b) a DNA sequence which encodes a polypeptide having vitamin B<sub>6</sub> phosphate phosphatase activity and hybridizes under standard conditions to the DNA sequence defined in (a) or a fragment of thereof; (c) a DNA sequence which encodes a polypeptide having vitamin B<sub>6</sub> phosphate phosphatase activity, wherein said polypeptide is at least 70% identical to the amino acid sequence represented in SEQ ID NO:10; (d) a DNA sequence which encodes a polypeptide having vitamin B<sub>6</sub> phosphate phosphatase activity and is at least 70% identical to the DNA sequence represented in SEQ ID NO:9; (e) a degenerate DNA sequence of any one of (a) to (c).

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